



Global Asset Visibility (Auto-ID)



21st Century Logistics for Global Asset Visibility (GAV):

Next generation automatic identification (Auto-ID) technology will provide automated, real time logistics and inventory management of Class 1 and other assets.

Why is it Needed?

Radio frequency identification (RFID) technology will revolutionize the global supply chain and the ability to track every item anywhere in the supply chain in real time.

Technology:

Auto-ID is based on the MIT Auto-ID Center's Electronic Product Code (EPC™), a 96-bit code that is capable of identifying over 80 thousand trillion trillion unique items. An electronic tag, containing the EPC™ on a microchip, wirelessly stores and transmits data to a reader. The data is then forwarded to a computer for processing. Sensor integration provides the capability to monitor the status of an item, pallet or container by detecting temperature, vibration, rough handling, chemical/ biological contamination (stretch goal), etc.

Benefits:

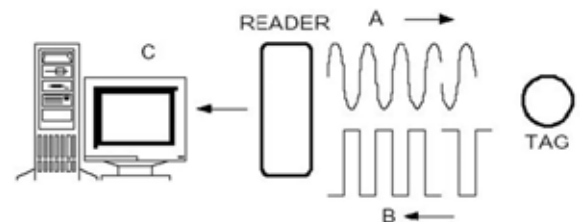
The primary benefit of Auto-ID will be reduced supply chain costs. More importantly, open, global standards and competitive manufacturing processes will insure interoperability and affordability. Auto-ID is viewed as the most promising low cost commercial logistics solution with over 100 major commercial sponsors (P&G, UCC-EAN, Gillette, Wal-Mart, Pepsi, etc.). DoD will benefit from this technology by adopting an industry solution to increase the efficiency of Total Asset Visibility. Future EPC™ predictive models will also be integrated into a prototype software architecture. This will allow disparate heterogeneous models to be linked and provide a higher-level decision system (e.g. residual shelf life for Class 1).

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